FILE 'DGENE' ENTERED AT 04:36:02 ON 03 OCT 2005
                    RUN GETSEQ

L1   489 SEA EFQQWSGK/SQSFP
L2   2 SEA ABB=ON L1 AND SQL<20
             D IBIB TOT
             RUN GETSEQ

L3   239 SEA NHVCSRLG/SQSFP
L4   4 SEA ABB=ON L3 AND SQL<20
             D IBIB L4 TOT
             D SQIDE 3
             D SQIDE 4
             RUN GETSEQ

L5   2116 SEA IEETARKG/SQSFP
L6   20 SEA ABB=ON L5 AND SQL<20
             D IBIB TOT
             D SQIDE 20
             D SQIDE 18
             D SQIDE 17
             D SQIDE 16
             D SQIDE 15
             D SQIDE 14
             D SQIDE 13
             D SQIDE 11
             D SQIDE 10
             D SQIDE 8
             D SQIDE 5
             RUN GETSEQ

L7   2015 SEA NNATVEDE/SQSFP
L8   8 SEA ABB=ON L7 AND SQL<20
             D IBIB TOT
             D SQIDE 8
             D SQIDE 7
             D SQIDE 6
             D SQIDE 5
             RUN GETSEQ

L9   628 SEA HSWKPDKL/SQSFP
L10   2 SEA ABB=ON L9 AND SQL<20
             D IBIB TOT
             RUN GETSEQ

L11   2326 SEA ETGERIVL/SQSFP
L12   4 SEA ABB=ON L11 AND SQL<20
             D IBIB TOT
             D SQIDE 4
             D SQIDE 3
             RUN GETSEQ

L13   356 SEA NELHMKQH/SQSFP
L14   2 SEA ABB=ON L13 AND SQL<20
             RUN GETSEQ

L15   7 SEA DEKRGPNEC/SQSFP
L16   2 SEA ABB=ON L15 AND SQL<20

```
                    RUN GETSEQ
                    ---------
L17         1008 SEA NETTVREW/SQSFP
L18            2 SEA ABB=ON  L17 AND SQL<20
                    RUN GETSEQ
                    ---------
L19         1451 SEA NNATFEDG/SQSFP
L20           21 SEA ABB=ON  L19 AND SQL<20
                    D IBIB TOT
                    D SQIDE 21
                    D SQIDE 20
                    D SQIDE 18
                    D SQIDE 16
                    D SQIDE 15
                    RUN GETSEQ
                    ---------
L21         2530 SEA VSEDIWDA/SQSFP
L22            4 SEA ABB=ON  L21 AND SQL<20
                    D L22 IBIB TOT
                    D SQIDE 4
                    RUN GETSEQ
                    ---------
L23           41 SEA CGREGEDW/SQSFP
L24            2 SEA ABB=ON  L23 AND SQL<20
                    RUN GETSEQ
                    ---------
L25         1088 SEA KRGIHPES/SQSFP
L26            5 SEA ABB=ON  L25 AND SQL<20
                    D IBIB TOT
                    D SQIDE 5
                    D SQIDE 3
                    RUN GETSEQ
                    ---------
L27          705 SEA QPTQWVMK/SQSFP
L28            5 SEA ABB=ON  L27 AND SQL<20
                    D IBIB TOT
                    D SQIDE 5
                    D SQIDE 4
                    D SQIDE 3
```

1. EFQQWSGK
2. NHVCSRLG
3. IEETARKG
4. NNATVEDE
5. HSWKPDKL
6. ETGERIVL
7. CIEETARKGC
8. CIEETAAKGC
9. CEFQQWSGKC
10. CNHVCSRLGC
11. CNELHMKQHC
12. CNNATFEDGC
13. CNNATVEDEC
14. CDEKRGPNEC
15. NELHMKQH
16. DEKRGPNEC
17. CHSWKPDKLC
18. CETGERIVLC
19. NETTVREW
20. CNETTVREWC
21. NNATFEDG
22. VSEDIWDA
23. CVSEDIWDAC
26. CCGREGEDWC
27. CGREGEDW
28. CKRGIHPESC
29. KRGIHPES
30. QPTQWVMK
31. CQPTQWVMKC

Groupings
SEQ ID NO: 1:9
            2:10
            3:7
            4:13
            5:17
            6:18
            7:8
            15:11
            16:14
            19:20
            21:12
            22:23
            27:26

29:28
30:31